

Figure 1A

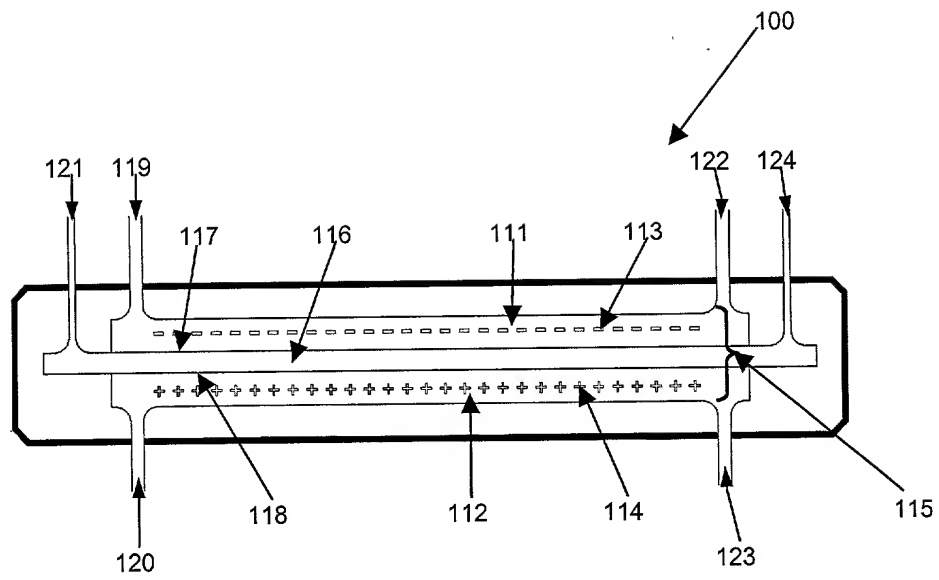


Figure 1B

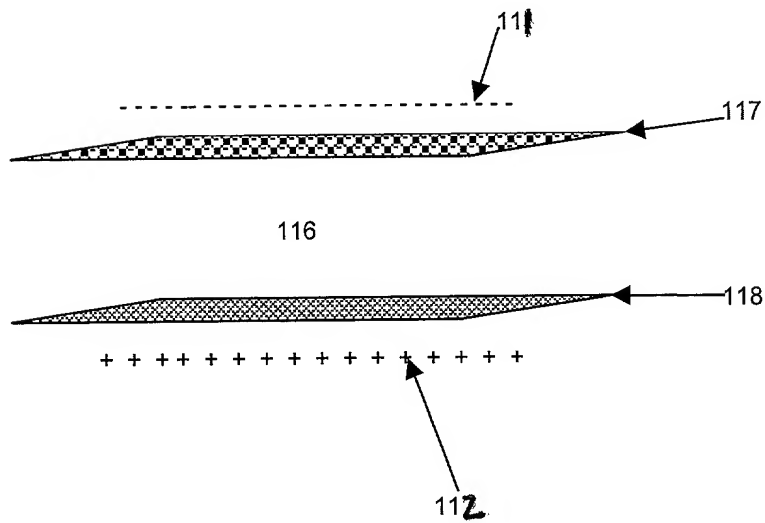


Figure 2A

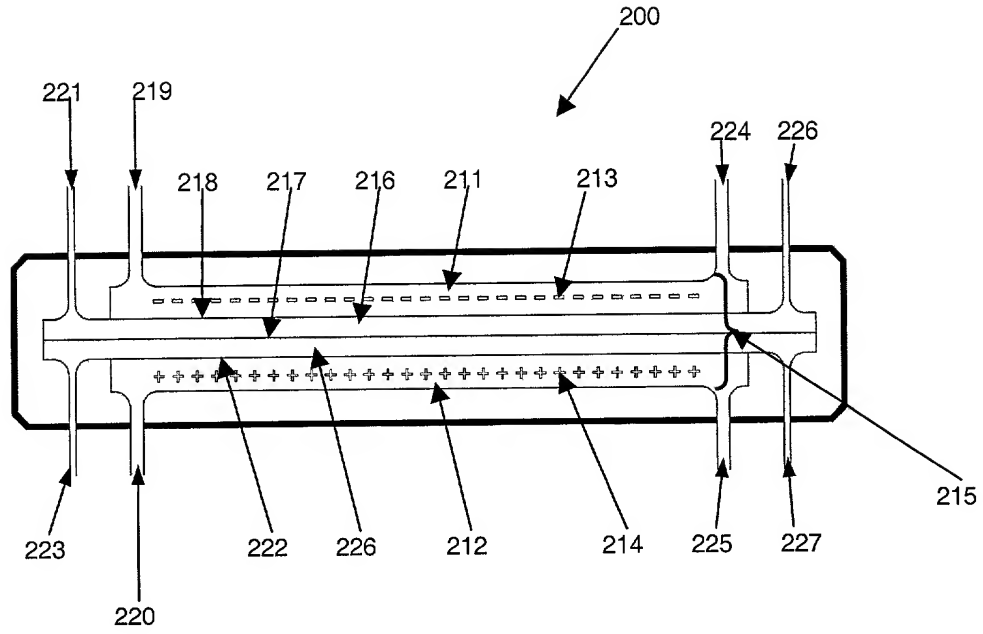


Figure 2B

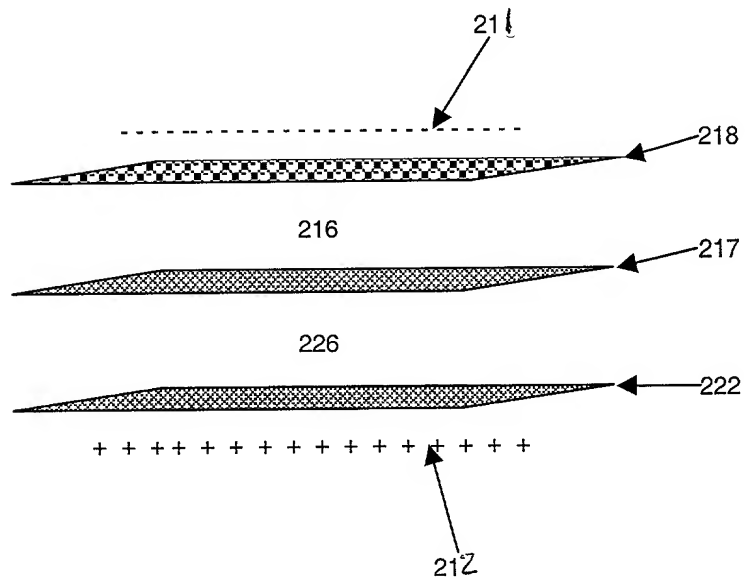


Figure 3A

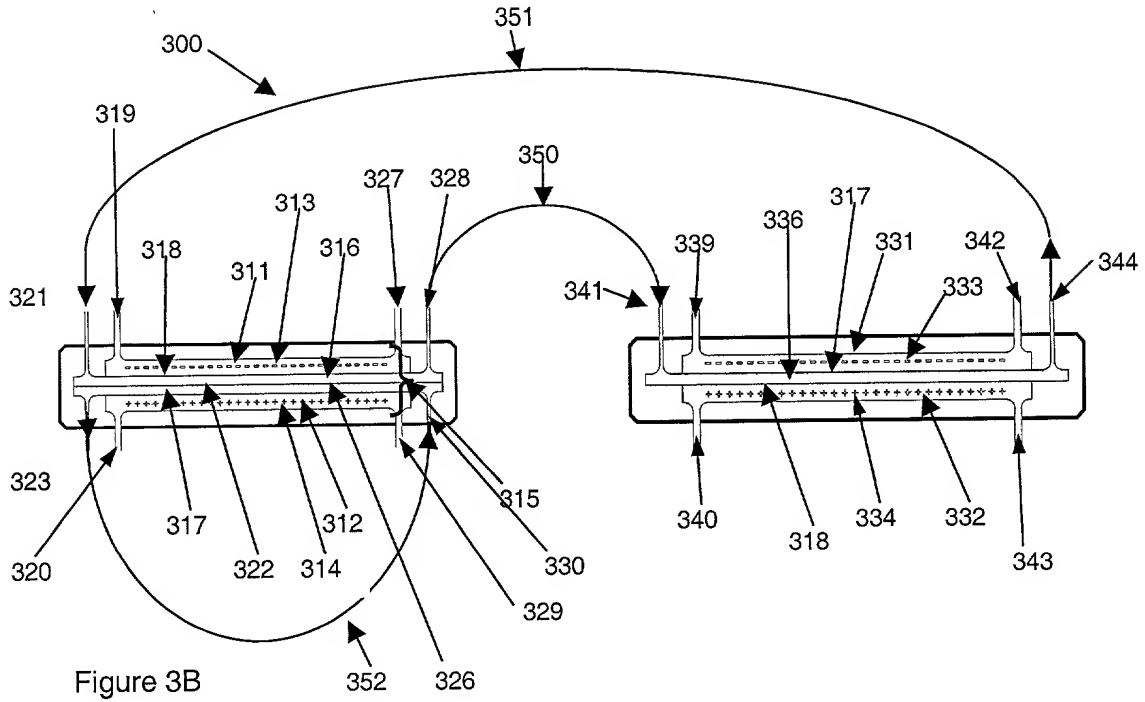


Figure 3B

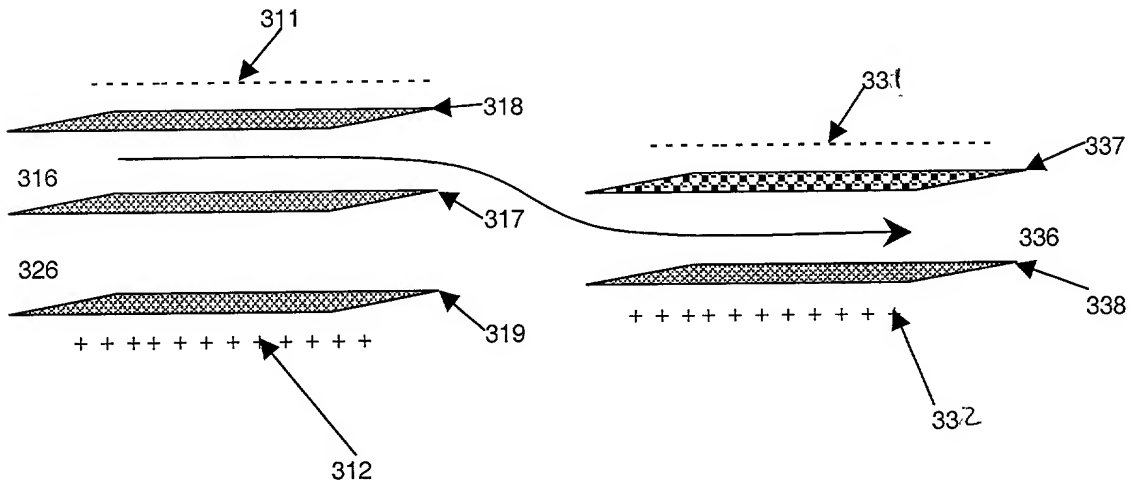
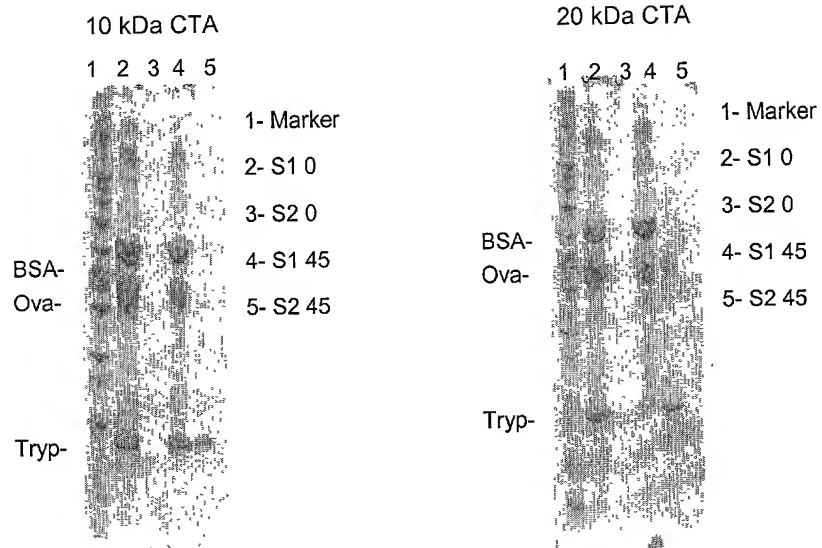


Figure 4



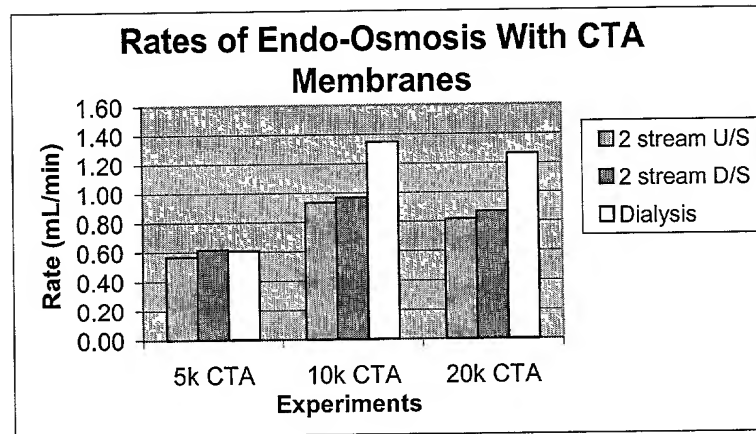


Figure 5

Figure 6

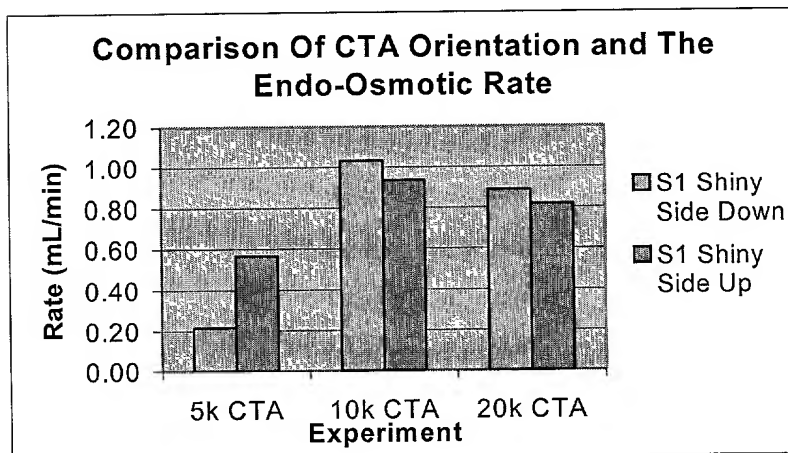


Figure 7

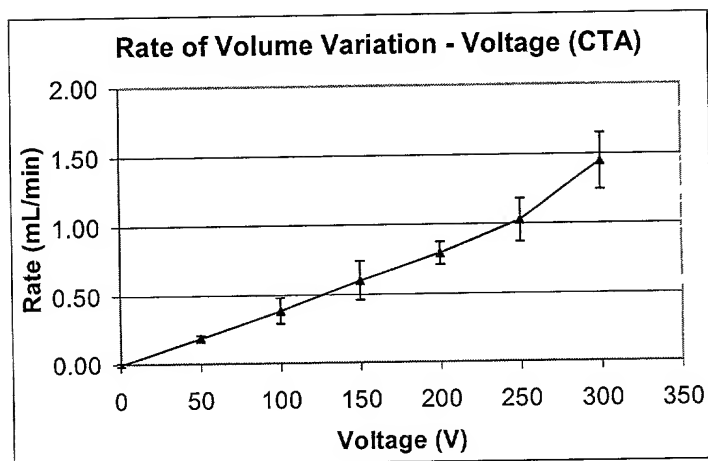


Figure 8

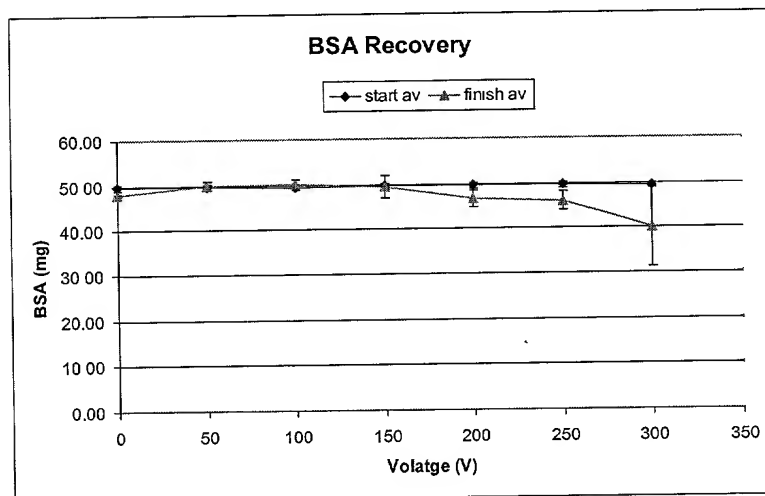


Figure 9

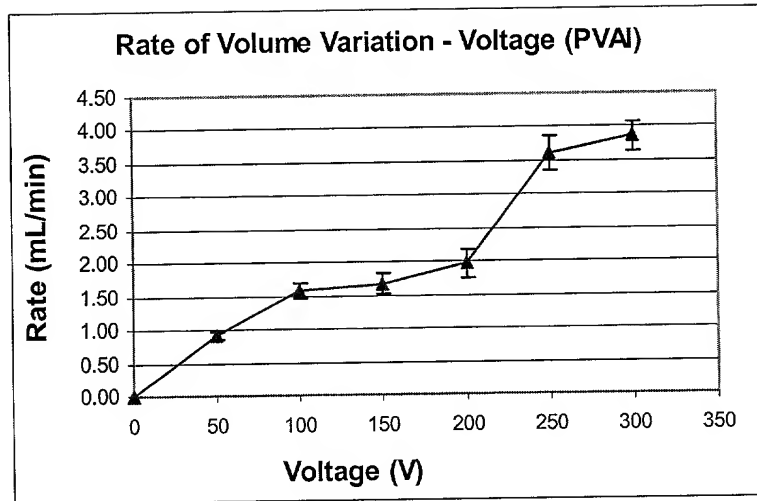
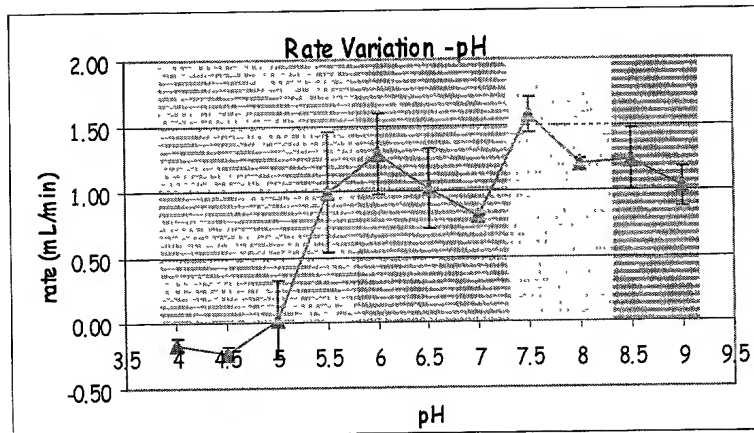


Figure 10



Buffer Used

acetic acid/GABA

HEPES/imidazole

Figure 11

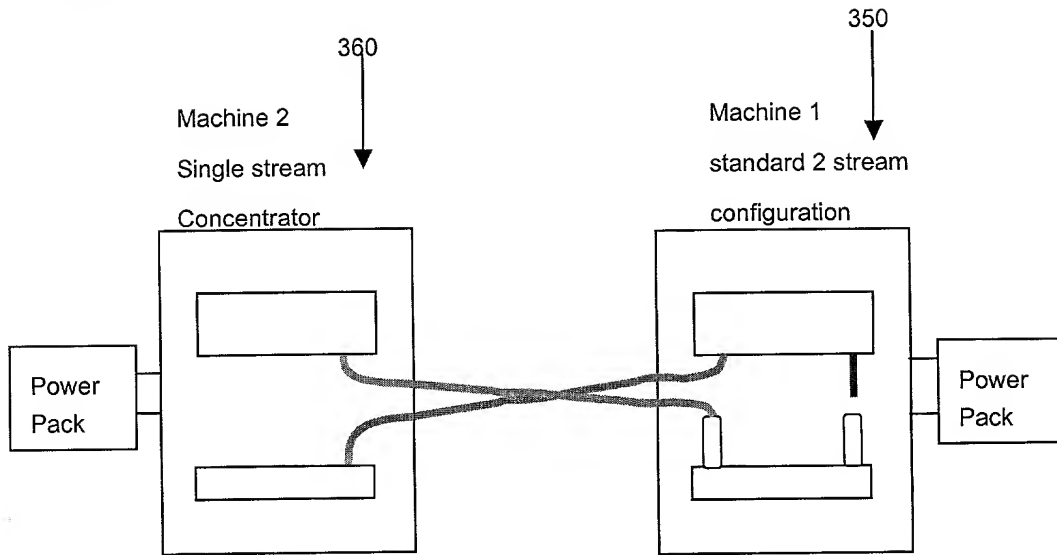


Figure 12

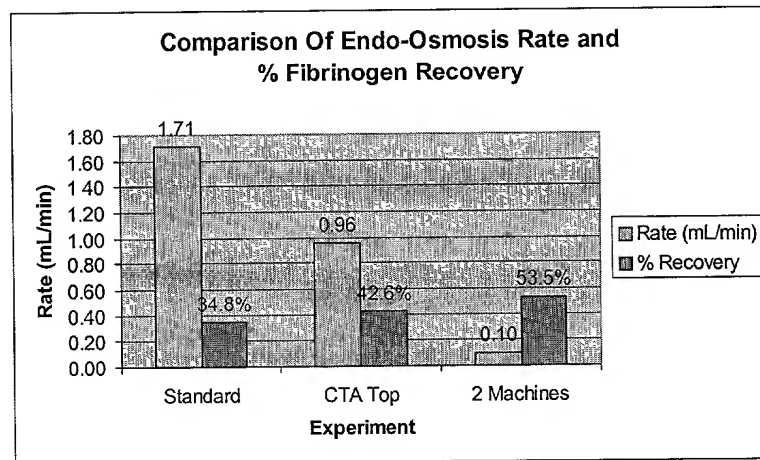




Figure 13

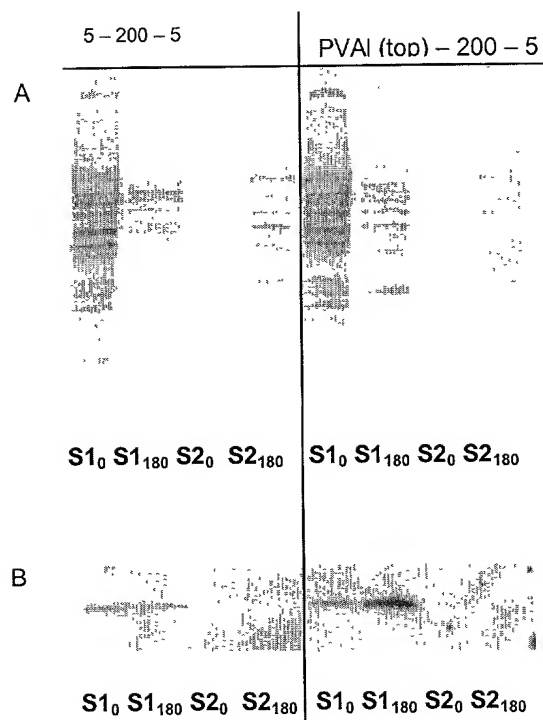
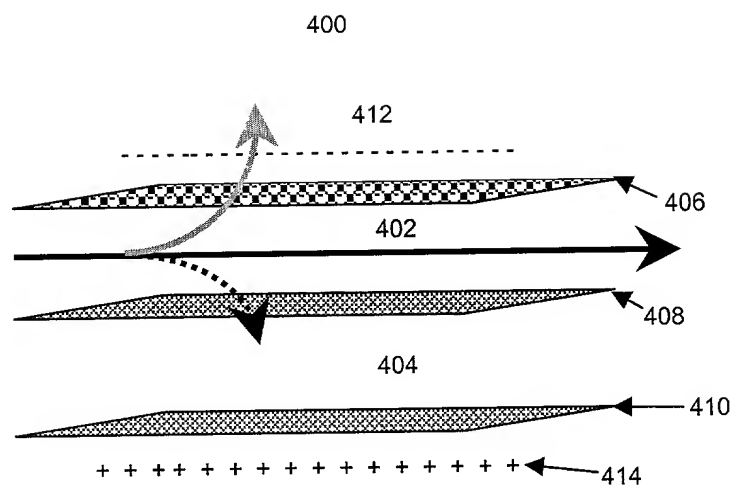


Figure 14



Legend:

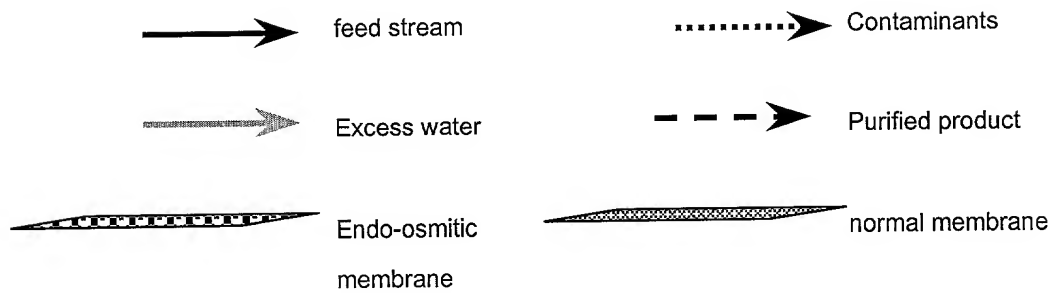
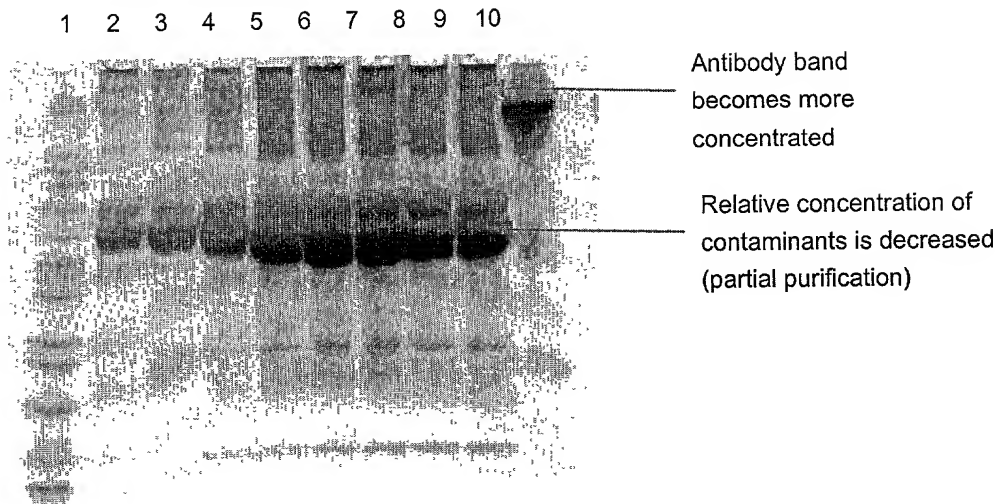
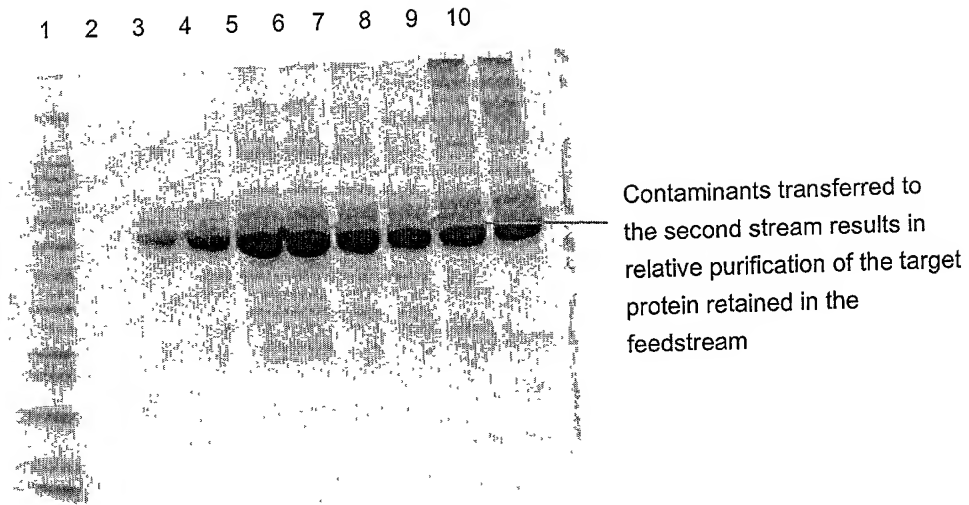


Figure 15



- 1 MW Markers
- 2 Feedstream 0min
- 3 Feedstream 30min
- 4 Feedstream 60min
- 5 Feedstream 90min
- 6 Feedstream 120min
- 7 Feedstream 150min
- 8 Feedstream 180min
- 9 Feedstream 180min
- 10 IgG standard

Figure 16



- 1 MA Marker
- 2 Contaminant stream 0min
- 3 Contaminant stream 30min
- 4 Contaminant stream 60min
- 5 Contaminant stream 90min
- 6 Contaminant stream 120min
- 7 Contaminant stream 150min
- 8 Contaminant stream 180min
- 9 Tissue culture medium without IgG
- 10 Tissue culture medium with IgG (equivalent to Feedstream 0min)

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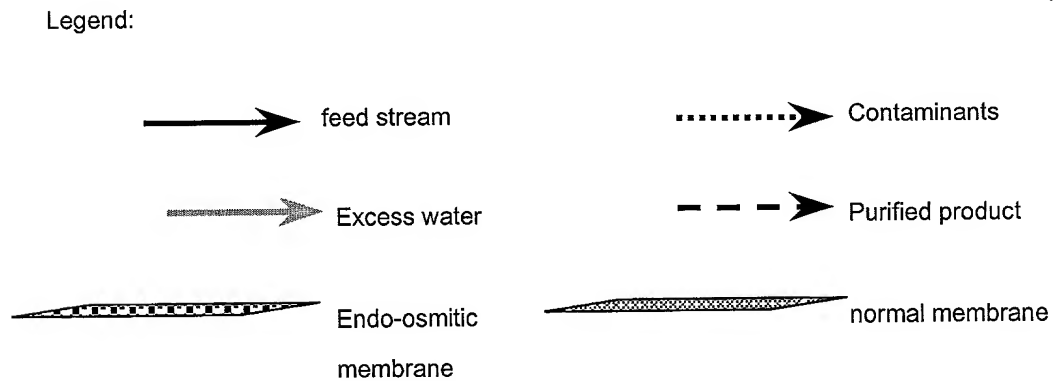
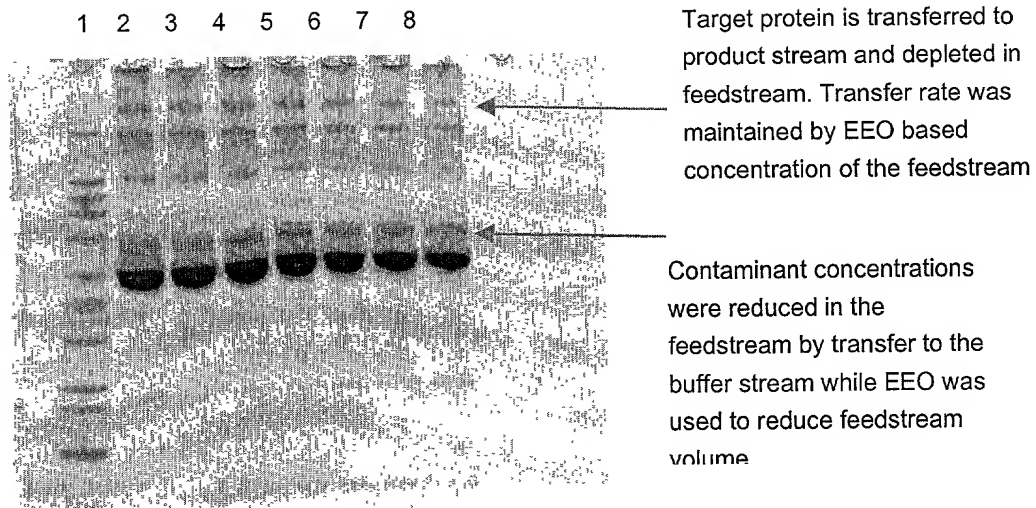
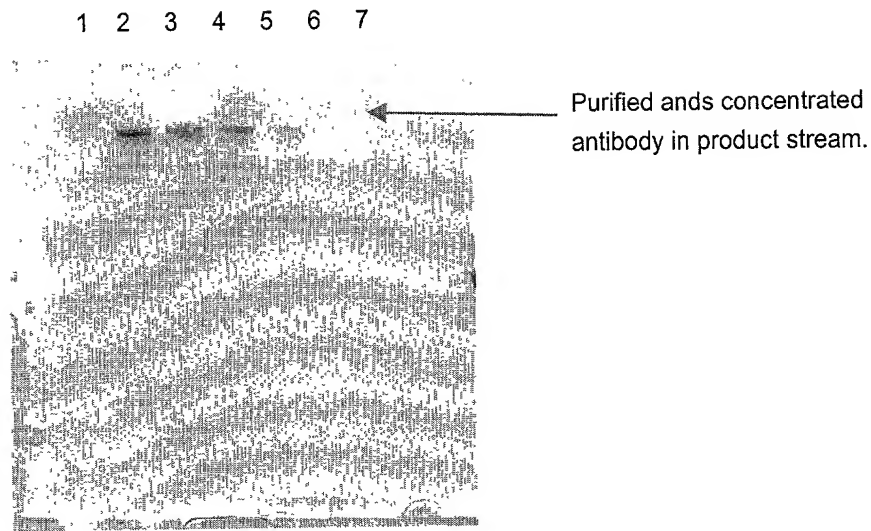


Figure 18



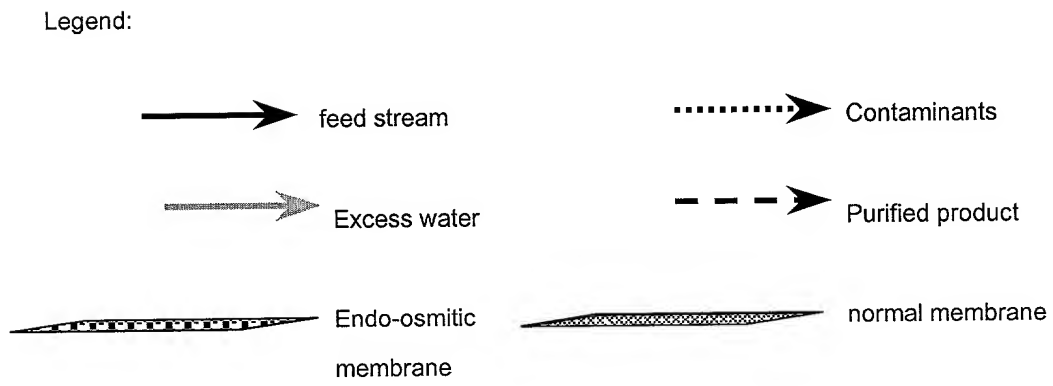
- |   |                   |
|---|-------------------|
| 1 | Marker            |
| 2 | Feedstream 0min   |
| 3 | Feedstream 30min  |
| 4 | Feedstream 60min  |
| 5 | Feedstream 90min  |
| 6 | Feedstream 120min |
| 7 | Feedstream 150min |
| 8 | Feedstream 180min |

Figure 19



- 1 Product stream 0min
- 2 Product stream 30min
- 3 Product stream 60min
- 4 Product stream 90min
- 5 Product stream 120min
- 6 Product stream 150min
- 7 Product stream 180min

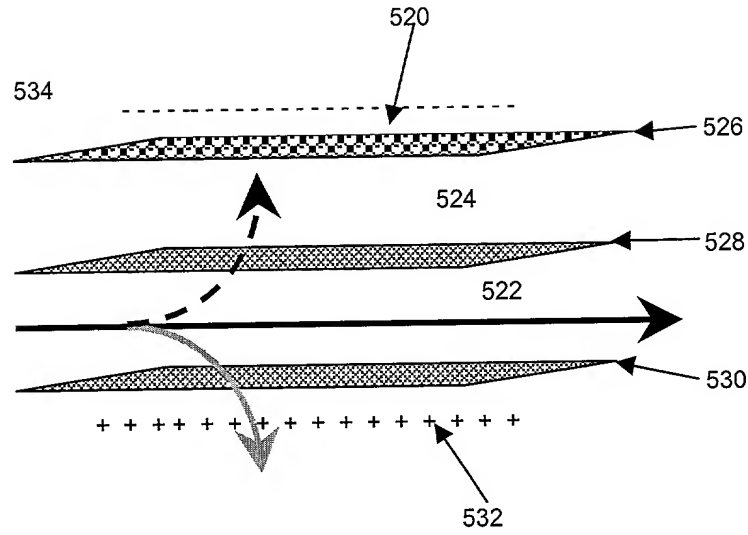
Figure 20



normal membrane



Figure 21



Legend:

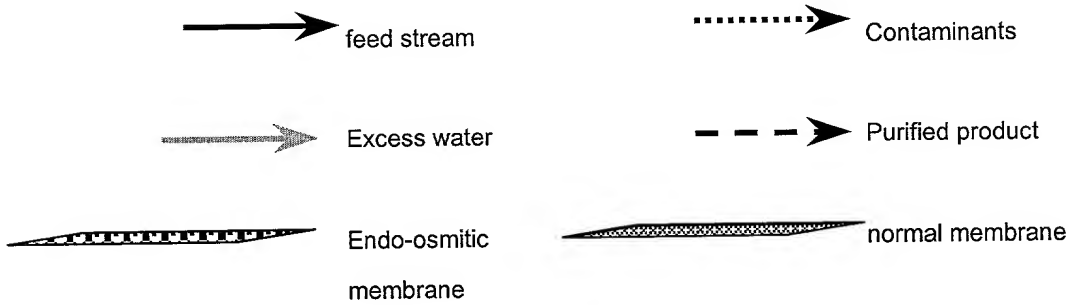
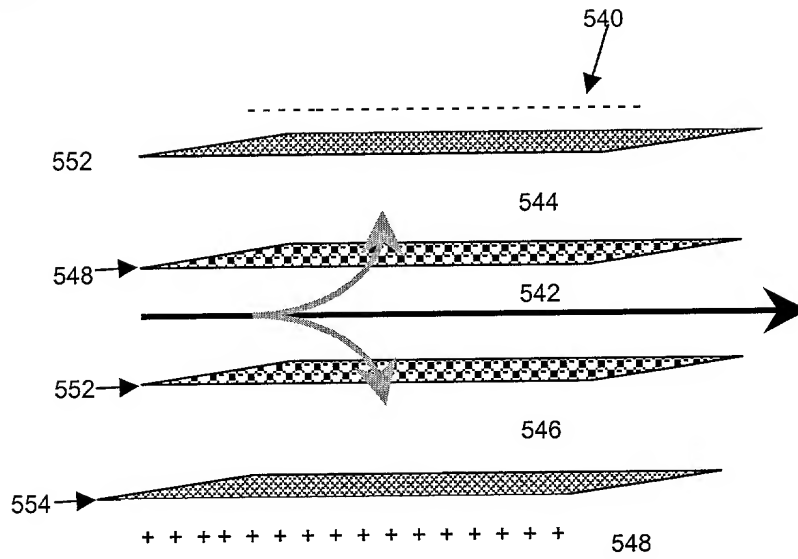


Figure 22



Legend:

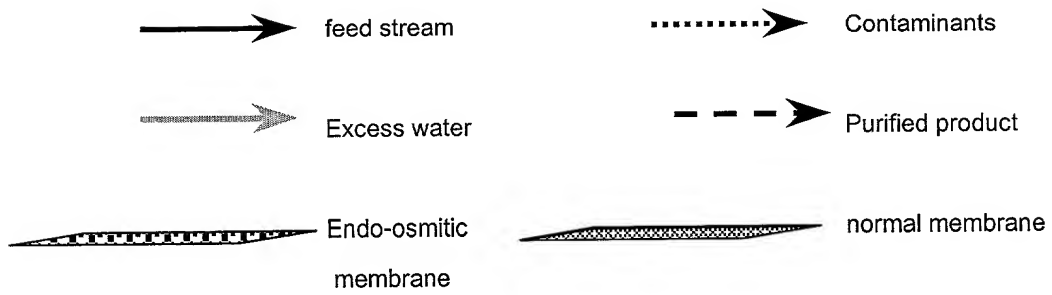
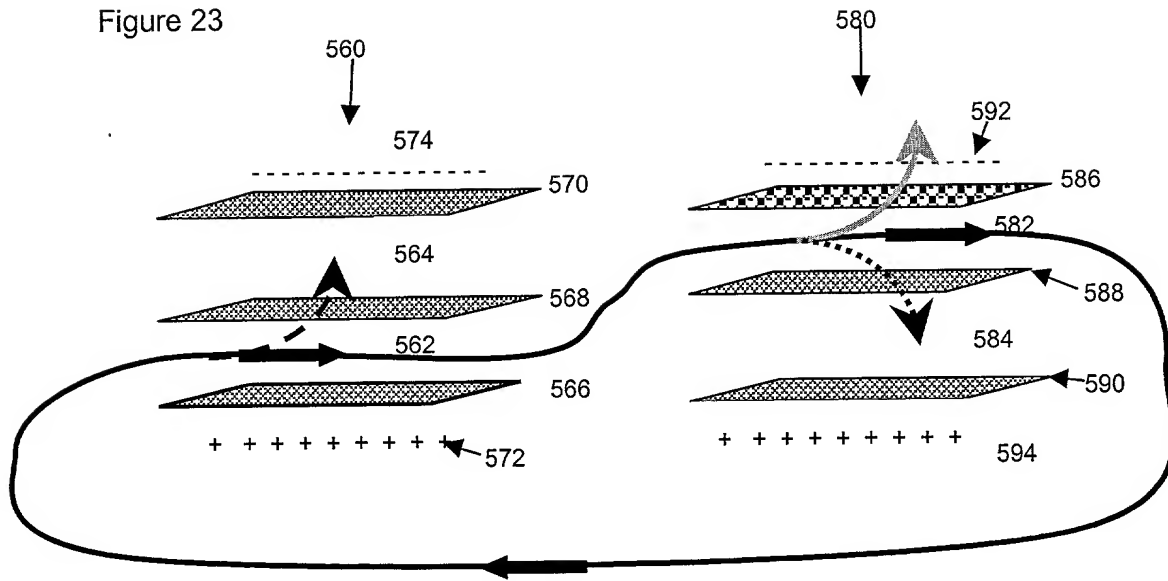


Figure 23



Legend:

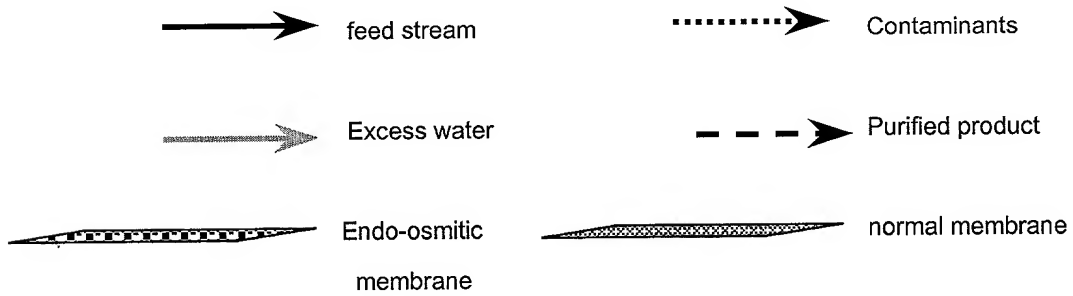
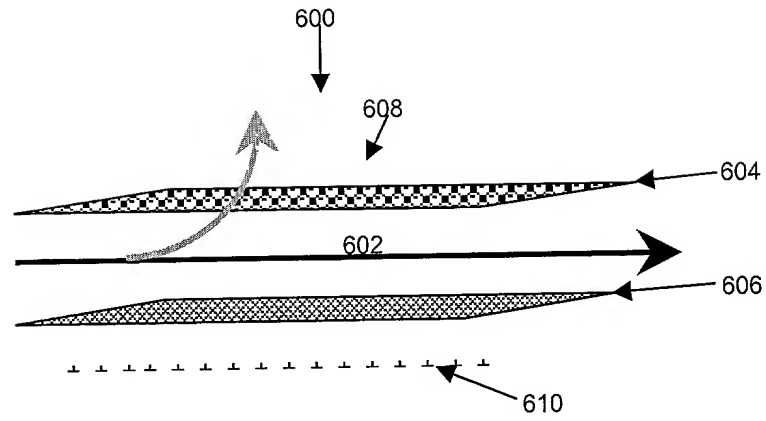


Figure 24



Legend:

